

INFORMATION REPORT

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COUNTRY East Germany

DATE DISTR. 14 April, 1954

SUBJECT

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PLACE ACQUIRED

25X1

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DATE OF INFO.

SUPPLEMENT TO
REPORT NO.

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THIS IS UNEVALUATED INFORMATION

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1. Chief Engineer Herbert Winter (SED) of the Biophysical Department of the Academy Institute for Medicine and [redacted] Buch has developed and constructed one sample of an ultrasound microscope. The instrument is used to observe the reaction of tissue cells in ultrasonic fields, particularly tissue growing effects caused by intermittent ultrasonic radiation in connection with transplants. Several models of the microscope are to be constructed during 1954.
2. The ultrasound source is an oscillation quartz provided by the Zeiss, Jena firm (price 700 DME). The quartz serves not only as ultrasound source but also as object holder. It is provided with a hole which serves for the heating or cooling of the object. The high-frequency power for operating the quartz is from 1.5 to 4.0 Watts per square centimeter.

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1. [redacted] Comment: A damaged oscillation quartz [redacted] 25X1

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